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INDEX TO THE CURRENT LITERATURE OF MICROSCOPY.

In the discussions upon the conduct of the Proceedings it has not unfrequently been suggested that a list of the titles of current microscopical literature would serve nearly the purpose of abstracts. In order to have examples of both kinds of work a list has been prepared as follows from the following journals, beginning with January, 1893, to July, 1894. This list may roughly be considered as representing about one-half of the articles properly called microscopical published during that time; reprints and short notes are not indexed: Science, American Microscopical Journal, Microscope, Torrey Bulletin, Naturalist, Journal of Morphology, Journal New York Microscopical Society, Journal of Science and Arts, Bulletins Bureau of Animal Industry, Department of Agriculture.

Possibly a subject-matter index would be more useful, but time did not allow of such a one to be prepared. A number is prefixed to each entry for convenient reference, and the titles are printed on one side only of the paper, so that they may be cut up and arranged in any way desired. One of the best examples of an index will be found in that of Mr. Fairchild, published in the Journal of Mycology, vols. vi, vii, called Index to North American Mycological Literature, continued by Joseph F. James, and beginning with January 1, 1890.

The word "abstract" added means an abstract is in this volume of the Proceedings.

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2. ———. A non-motile pathogenic bacillus, closely resembling the bacillus of hog cholera, found in the lung and spleen of a pig. *Ibid.*, p. 31.

3. ———. Pathogenic and toxicogenic bacteria in the upper air passages of domesticated animals. *Ibid.*, p. 38.

4. Smith, Theobald. On a pathogenic bacillus from the vagina of a mare after abortion. *Ibid.*, p. 53.

5. Smith, Theobald, and E. C. Schroeder. Some experimental observations on the presence of tubercle bacilli in the milk of tuberculous cows when the udder is not visibly diseased. *Ibid.*, p. 67.

6. Smith, Theobald. The hog-cholera group of bacteria. United States Department of Agriculture, Bureau of Animal Industry, Bulletin No. 6, p. 9, 1894. Additional investigations concerning infectious swine diseases.

7. Smith, Theobald, and Veranus A. Moore. Experiments on the production of immunity in rabbits and guinea-pigs with reference to hog-cholera and swine-plague bacteria. *Ibid.*, p. 41.

8. ———. On the variability of infectious diseases as illustrated by hog cholera and swine plague. *Ibid.*, p. 81.

9. Moore, Veranus A. Can the bacillus of hog cholera be increased in virulence by passing it through a series of rabbits? *Ibid.*, p. 97.

10. ———. What becomes of hog-cholera and swine-plague bacteria injected in small numbers into the subcutaneous tissue of pigs. *Ibid.*, p. 103.

11. Smith, Theobald, and F. L. Kilborne. Investigations into the nature, causation, and prevention of Texas or Southern cattle fever. *Ibid.*, Bulletin No. 1, 1893. Not bacterial in nature, but of much interest and great importance.

12. Russell, H. L., Ph. D. Bacteria in their relation to vegetable tissue. Johns Hopkins Hospital Reports, vol. iii, 1893.

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15. Georgeson, C. C. Bacteriology in the dairy. *Ibid.*, vol. 22, pp. 60, 61.

16. Brannon, M. A. Bacteria in hens' eggs. *Ibid.*, vol. 22, pp. 64, 65.

17. Halsted, Byron D. A study of solanaceous Anthracnose. Bulletin Torrey Botanical Club, vol. xx, pp. 109–112.

18. ———. Identity of Anthracnose of the bean and watermelon. *Ibid.*, vol. xx, pp. 246–250.

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21. M'Carthy, Gerald. Employment of disease-causing microbes for the destruction of field-mice. *Ibid.*, vol. 23, p. 158.

22. McClintock, C. T. Bacteria in hens' eggs. *Ibid.*, vol. 22, p. 96.

23. Russell, H. L. Bacteriology in its general relations. Am. Naturalist, vol. 27, pp. 847–859 and 1050–1065.

24. Stoller, J. H. Bacteriological analysis of water. Science, vol. 22, p. 286.

MICROSCOPIC TECHNICS AND PETROGRAPHY.

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27. Aubert, A. B. Use of Ruthenium red in microscopy. Am. Mic. Journal, vol. xiv, p. 232.

28. ———. Proposed adaptation of Biot's apparatus for circular polarization to the microscope. *Ibid.*, vol. xiv, p. 233.

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